MULTI-USE CELLULAR CONNECTED TEMPERATURE DATA LOGGER WITH LCD DISPLAY

KELVIN M200

ADAPT IDEATIONS

Monitor Your Moving Temperature-Sensitive Assets

Understanding how temperature-sensitive and high-value assets are handled and stored throughout the supply chain is critical. The solution enables greater visibility, reduces asset damage & waste and simplifies compliance for assets that are sensitive to environmental conditions.

- Temperature Monitoring
- Real-Time Location Tracking*
- LCD Display for Temperature Reading
- Tamper Detection
- Shock Detection
- Flight Mode (IATA, FAA Compliant)
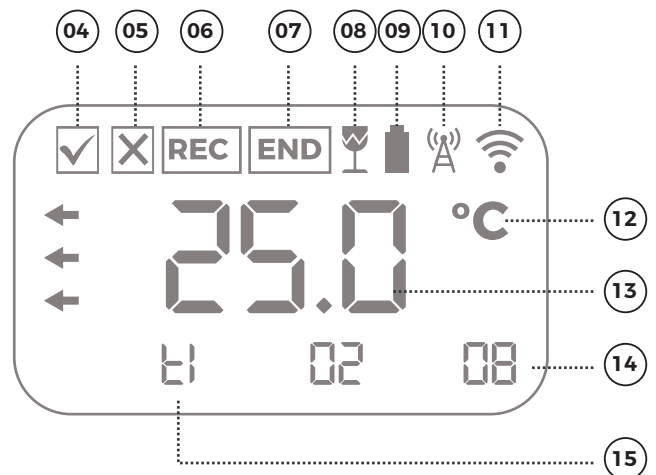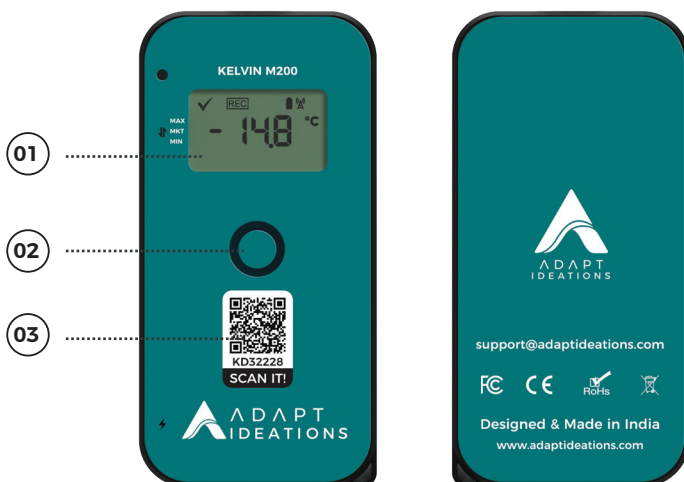- High-Precision Digital Sensor
- Geofencing
- IP64 Grade

*Refer to technical specifications for minimum reading interval and transmission times.

KELVIN M200

KD32228 SCAN IT!

ADAPT IDEATIONS

Product Anatomy

FDA 21 CFR Part 11 | IEC 62368 | ISO 9001

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ADAPT IDEATIONS

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RoHs

Designed & Made in India
www.adaptideations.com

Label	Description
01.	LCD Screen
02.	Button
03.	QR Code
04.	No Temperature Violation
05.	Temperature Violation
06.	Record Start
07.	Record End
08.	Shock Notification
09.	Battery Charge Health (Blinks when battery is low)
10.	Cellular Connection
11.	WiFi Connection (Stable when connected)
12.	Degree Celsius
13.	Temperature Reading (in Deg Cel)
14.	Temperature Violation Thresholds
15.	Active Sensor (ti= Internal)

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Easy To Use

CONFIGURE
Configure the data logger according to your requirement using our platform.

PAIR
Add the device to a consignment.

TRACK
Track the shipment on our platform.

Consignment Monitoring Dashboard

Event Logs
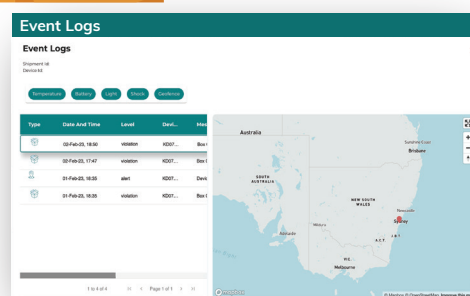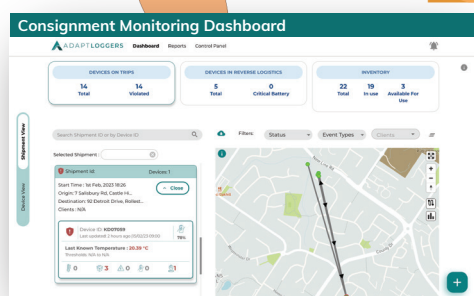
Technical Specifications

Dimensions (L x W x H):	**102mm x 52mm x 20mm**	**Probe Support**	**No**
Weight:	**111g**	**Recording Option**	**Multi-use**
Battery Type:	**Li-Poly, 3000 mAh**	**Standards:**	**FCC/CE Compliance**
Battery Model:	**Sunte 974058**	**Environmental Rating:**	**IP64**
Charging Voltage:	**5V DC, USB Type C**	**Compliance:**	**FAA:AC 91.21 -1D, 2017, p. 91**
Charging Time:	**Up to 8 hours for full charge**		**EU: AMC1 CAT.GEN.MPA.140**
Runtime: (Maximum Trip Duration)	**30 days at 60 mins data Sending Interval and 10 mins Reading Interval**		**As per the guidelines of IATA on Portable Electronics Devices (PEDs)**
Reading Interval:	**10 min by default Configurable from 5 mins to 60 mins**		**Airline approved FDA 21 CFR Part 11 ISO 9001 IEC 62368**
Sending Interval (SI):	**30 min (minimum configurable)**	**Violations:**	**Violations are logged as events on web-portal and devices**
WiFi:	**2.4 GHz**	**Notifications:**	**Alerts as SMS, email, pop-up (portal side)**
Cellular:	**2G/4G (CAT M1), SIM inbuilt**	**Data Formats & Graphs:**	**Graphs, PDFs, CSVs (downloadable from portal)**
Temperature Sensors:	**Digital**	**Data Storage Capacity:**	**31,200 readings**
Temperature Range:	**-20˚C to +60˚C**		
Temperature Accuracy	**-+- 0.5˚ C**		
Calibration:	**Three Point Factory Calibration**		
Resolution	**0.1˚C**		

*Data sheet is correct as of 07/24.
The product may be subject to minor changes and enhancements in the future.

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